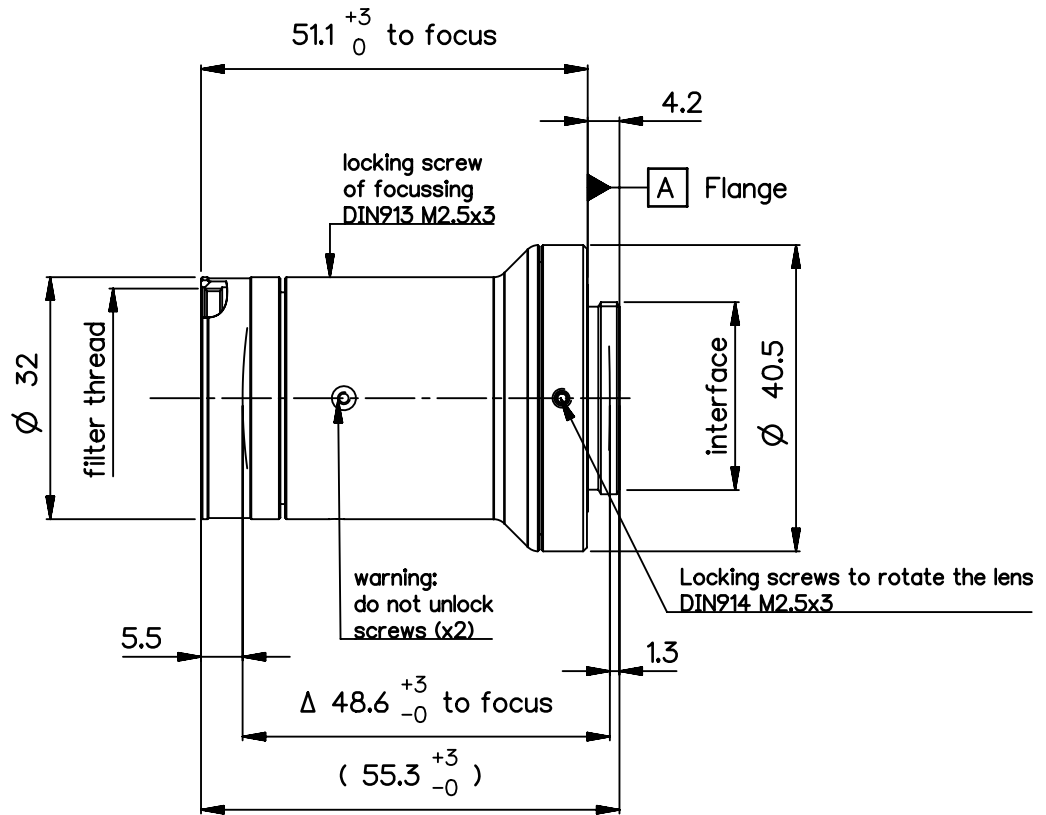
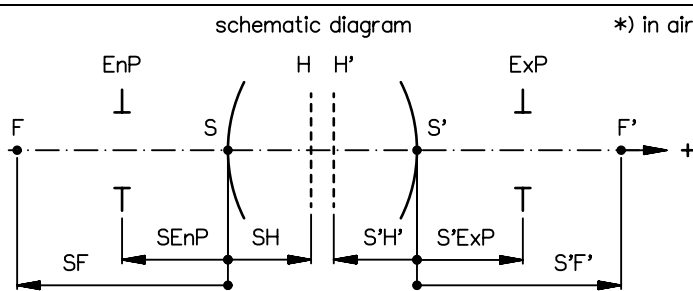


order number	lens name	f-stop
0020-009-000-20	MeVis-CF 1.6/16	1.6
0020-009-000-21	MeVis-CF 2.8/16	2.8
0020-009-000-22	MeVis-CF 4.0/16	4.0



Specification		ON	5801-9031
image circle max. (mm)	11	working distance (mm)	150 ... ∞
focal length f' (mm) *	16	interface	C-mount (1-32 UN 2A)
magnification β' [range]	-0.05 [-0.1 ... 0]	filter thread	M30 x0.75
spectral range λ (nm)	450 - 950	weight (g)	120

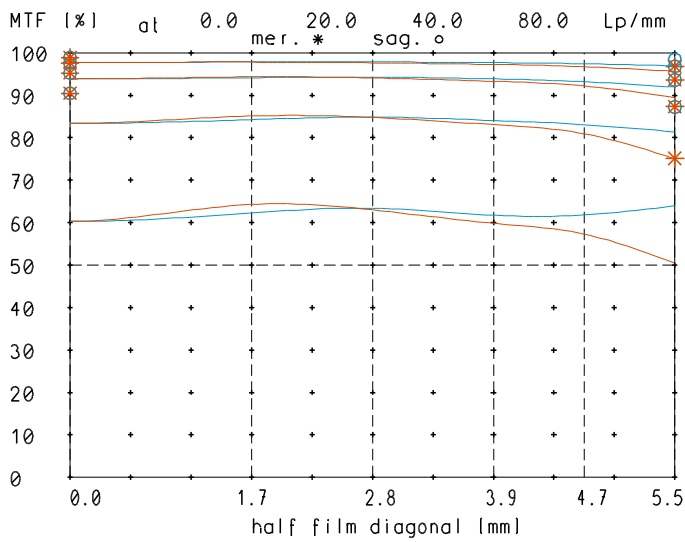


design includes CCD cover glass: yes 1mm K7		*) in air	
SF (mm)	13.4	f-stop	1.6
S'F' (mm) *	13.8	Ø EnP	9.6
HH' (mm) *	17.9	Ø Exp	31.9
SH (mm)	29.7		
S'H' (mm) *	-2.4		
SEnP (mm)	18.4		
S'Exp (mm) *	-40.4		

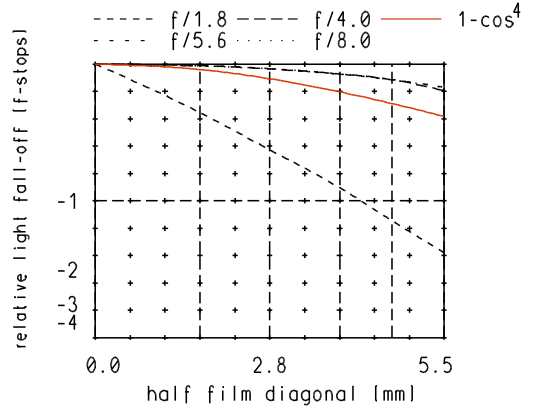
NX	EU-D		AL-T1A		US-D		US-ML		not export controlled	
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	REV	ECC	DATE	APPROVED	GENERAL TOLERANCE OF DIMENSION, FORM, POS.	SURF. TREATMT	SCALE 1:1		MATERIAL	
	a	Neuausg					ISO 2768-mH			
	b	12-0001	23.01.12	Kuehne			TITLE MeVis-CF 1.6/16mm		DRAWING NO. 0020-009-100-00-0001e	
	c	12-0001	10.02.12	Kuehne						
	d	12-0185	29.03.12	Schuber						
e	14-0184	04.08.14	Schiffe			FIRST DATE NAME		SHEET 1 OF 1		
						ISSUE 06.09.11 Kuehne				
						CHKD 06.09.11 Ulmer				
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT								REPLACES	

Mev is-C_16mm

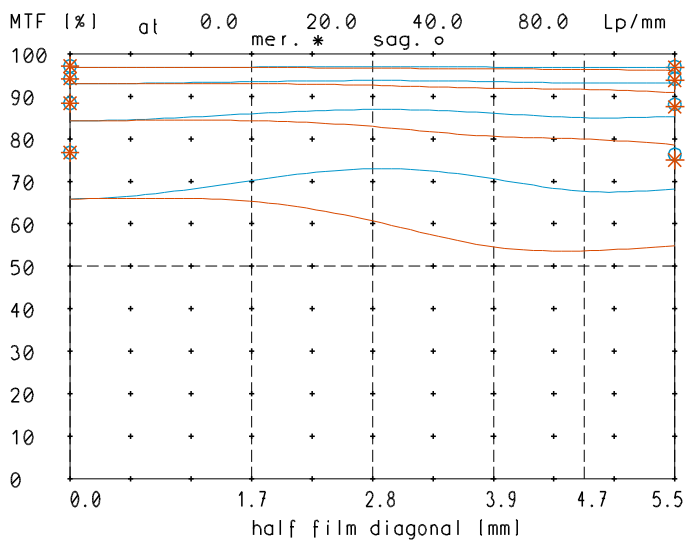
MTF at ratio -0.03 f/ 1.6



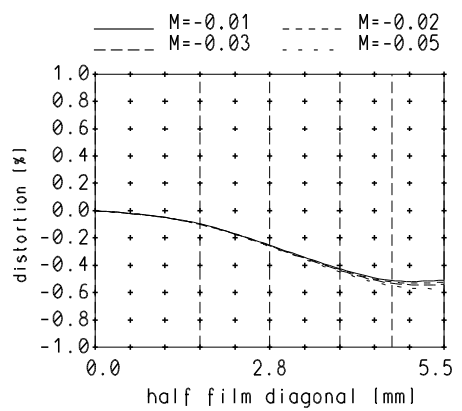
relative light fall-off at ratio -0.03



MTF at ratio -0.03 f/ 4.0

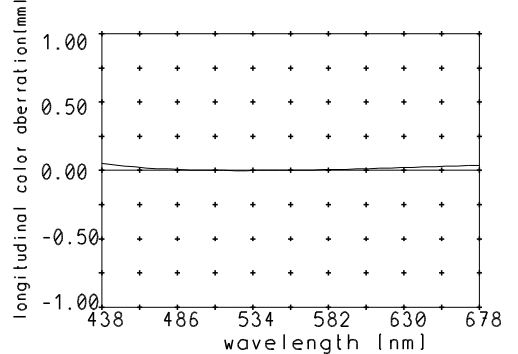


Distortion at ratio -0.01 to -0.05



— sagittal, o Diffraction limited value
 — meridional* Diffraction limited value

Longitudinal color aberration at ratio -0.03



Named frequencies (line pairs/mm) in modular transfer function (MTF) as well as diagrams of relative light fall-off, distortion and longitudinal color aberration refer to film plane.